

NEBRASKA

WEATHER & CROPS

For Week Ending July 28, 1991

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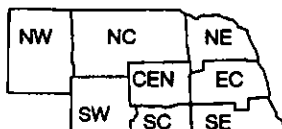
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National Agricultural Statistics Service
U.S. Department of Agriculture
and U.S. Department of Commerce
National Oceanic and Atmospheric Admin
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l. Statistics
Cooperative Extension Service
Institute of Agriculture
and Natural Resources-UNL

WEATHER

The week was warm and mild. Temperatures averaged about four degrees below normal. Varied amounts of precipitation occurred around the State ranging from less than a tenth of an inch in the east up to two inches in the southwest.

GENERAL

Nebraska farmers and ranchers experienced cooler temperatures last week with many counties receiving rainfall, according to the Nebraska Agricultural Statistics Service. The rainfall last week was once again scattered but did reach into a few of the areas that had been bypassed by previous storm systems. Even with this welcomed rainfall, dryland crops continue to show stress and need additional moisture. Irrigators continued in full swing in all areas except where heavy rainfall occurred last week. The lack of subsoil moisture, the limited rainfall last week and before, the previous hot windy conditions, have kept irrigators trying to put enough water down for the crops and in some cases, have had trouble keeping up with crop requirements. Other fieldwork activities included weed control, working ground for fall wheat seeding, and harvesting of wheat, oats, alfalfa, and wild hay.

CROPS

Winter wheat harvest made good progress in the Panhandle last week. Cool, cloudy, damp weather slowed harvest in the northwest but by week's end, the State's wheat crop was 98% harvested. This was ahead of last year at this time at 96% and the 5-year average at 97%. Land preparation for fall seeding continued.

CROPS (Cont.)

All corn condition declined last week and was rated at 2% very poor, 5% poor, 24% fair, 55% good, and 14% excellent. Dryland condition was rated at 49% good or better while irrigated corn was 80% good or better. Crop development continued well ahead of normal. Dryland corn remained in need of additional moisture. Some heavy flights of second generation corn borer moths have been observed.

Soybeans were rated at 2% very poor, 10% poor, 33% fair, 49% good, and 6% excellent. Walking beans and chemical weed control continued. Sorghum condition was rated at 5% very poor, 22% poor, 16% fair, 52% good and 5% excellent. Greenbugs have been observed in the south central and east central districts with treatment active.

Alfalfa was rated at 7% very poor, 16% poor, 28% fair, 47% good, and 2% excellent. Second cutting activities progressed well last week and remained ahead of last year and the average. Reports indicate additional moisture will be needed to ensure a good third cutting. Wild hay was rated at 13% very poor, 2% poor, 15% fair, 39% good, and 31% excellent. Harvest remained active.

LIVESTOCK

Pasture and range condition was rated at 82% of normal, unchanged from the previous week. Recent rains improved the condition locally, while other areas without recent moisture continued to deteriorate. Supplemental feeding continued to help stretch depleted grass supplies. The cooler weather last week was beneficial to livestock but flies continued to harass cattle.

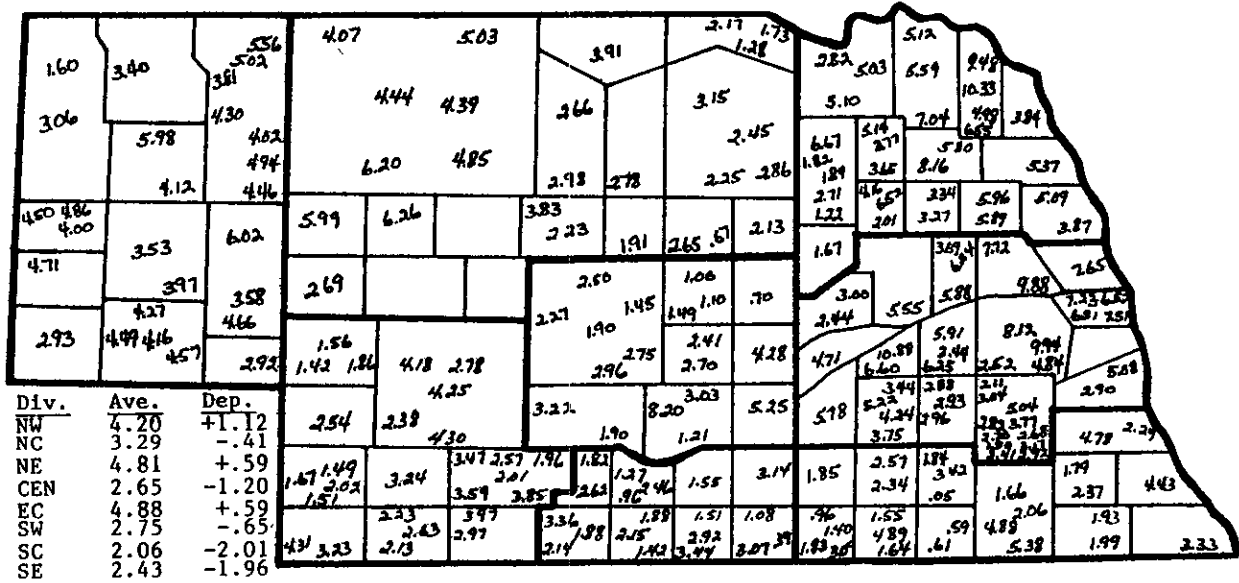
FIELD WORK PROGRESS AS OF JULY 28, 1991	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat harvested	93	100	100	100	100	100	100	100	98	91	96	97
% oats harvested	72	93	100	100	100	98	100	100	98	87	81	87
% corn silked	53	99	91	100	100	91	100	100	94	78	65	81
% corn dough stage	7	16	18	14	23	5	41	29	20	6	3	10
% sorghum headed	10	51	35	7	64	12	33	55	49	19	8	34
% soybeans blooming	0	80	72	42	79	39	50	95	76	63	54	77
% soybeans setting pods	0	33	20	9	22	8	13	39	24	11	6	28
% alfalfa second cutting	84	96	98	89	92	94	100	99	93	80	87	89
% alfalfa third cutting	1	11	5	6	6	0	6	13	6	0	8	8
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 26, 1991												
Days suitable	5.5	6.7	6.8	6.2	6.7	2.9	5.5	5.7	5.9	6.9	4.9	
Topsoil moisture - Short	53	87	90	46	76	9	100	79	69	83	36	
(Percent) - Adequate	47	13	10	54	24	82	0	21	30	17	54	
- Surplus	0	0	0	0	0	9	0	0	1	0	10	
Subsoil moisture - Short	38	50	75	39	65	18	86	93	58	48	46	
(Percent) - Adequate	62	50	25	61	35	82	14	7	42	52	54	
- Surplus	0	0	0	0	0	0	0	0	0	0	0	

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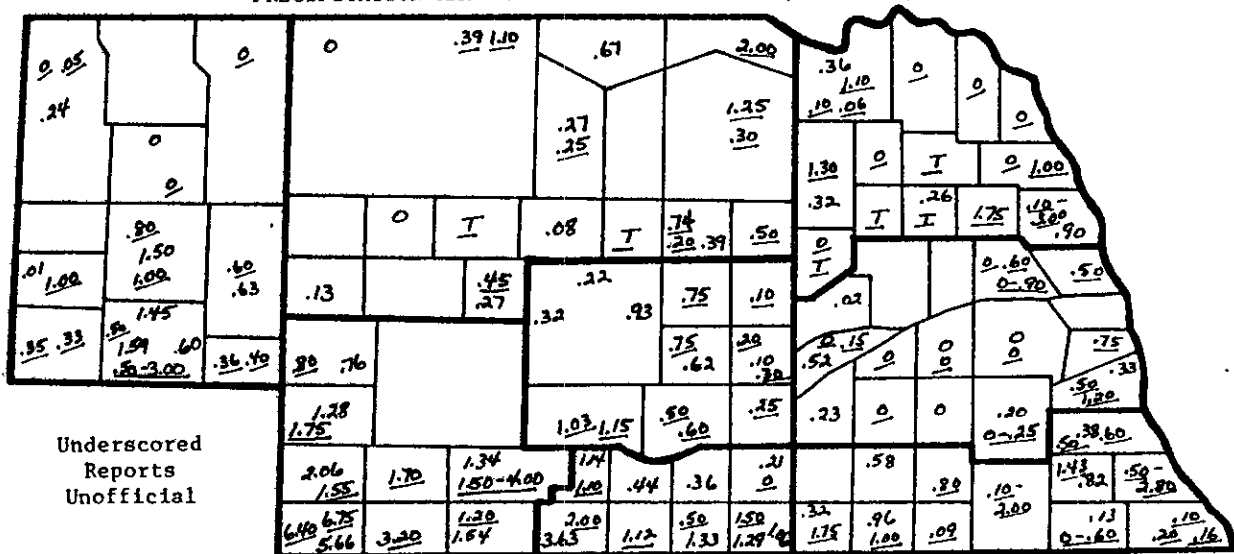
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PRECIPITATION MAP FOR MONTH OF JUNE 1991 1/



1/ Courtesy of the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 26, 1991



Underscored
Reports
Unofficial

	Precipitation, April 1 - July 26, 1991							
	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	.75	.23	.46	.44	.16	2.11	1.18	.53
Total since April 1	11.35	11.34	13.18	12.17	15.95	12.97	12.81	11.21
Normal since April 1	9.86	11.67	13.17	12.49	13.81	10.72	12.49	14.31
Total as % of normal	115%	97%	100%	97%	115%	121%	103%	78%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, JULY 28, 1991

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	92	48	70	---	---	---	---	---
	Scottsbluff	96	53	70	-5	.14	1413	1530	1561
	Sidney	90	52	70	---	---	1387	1506	1536
NC	Valentine	87	49	71	-4	.28	1539	1665	1576
NE	Norfolk	89	54	72	-4	.07	---	---	---
	Sioux City	89	54	71	-5	.01	---	---	---
	Concord	---	---	--	---	---	1652	1785	1797
	Elgin	---	---	--	---	---	1665	1804	1741
	West Point*	---	---	--	---	---	1768	1909	1840
CEN	Grand Island	91	54	72	-5	.22	1793	1921	1813
	Ord	85	51	71	---	.97	1684	1829	1800
EC	Lincoln	98	56	75	-3	.02	1925	2068	1891
	Omaha	91	59	72	-4	.02	1902	2035	1820
	Columbus	---	---	--	---	---	1871	2015	1854
	York	---	---	--	---	---	1829	1987	1910
SW	Imperial	90	52	69	---	2.22	---	---	---
	North Platte	90	53	70	-5	1.63	**1553	**1683	**1707
SC	Holdrege	---	---	---	---	---	1722	1873	1866
SE	Beatrice	---	---	---	---	---	1902	2061	2013
	Clay Center	---	---	---	---	---	1792	1945	1902

1/ Precipitation totals not included in map above. * Automated weather station ** North Platte Experiment Station.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.